

SMOKE CHECK REPORT – STN Taking Rpts:		Call Sign: _____		Enter info ✓ Applicable Col			
<input type="radio"/> General Area: _____		THIS IS NOT 911 – IF YOU HAVE AN EMERGENCY CALL 911 !					
Date: / / HRS Start: HRS Stop: Incident Name (if any):		QXi S [Circle Net Freq.] RPT PG. ____ OF ____		FREQ PLAN ✓LIST: 760____ xxx____ 165____ 505____ [ALERT_NO NETS]			
<input type="radio"/> "NCS": _____ (CALL SIGN) "Aux": _____ "AREA LEAD" _____ <input type="radio"/> "_____" (TACTICAL) "RELAY"/"BU" "RELAY CONTRL" _____ (CALL SIGN)		IS - FIRE, SMOKE COL. SMOKE CLOUD .VISIBLE?		SMOKE Odor			
WIND OUT OF and MPH		GEN. ATMOSPHERIC SMOKE / HAZE CONDIT. ViSibility [see FMT M7]					
ENTER SPECIFIC QTH FROM WHICH THE REPORT BEING SENT & INFO. [E.G., Street / Cross Streets / address / HGHy & Mile MKR (see FMT ROMEO 6), Lat / Long] CALL 911 FIRST ! ORIG RPT-PLAIN ENGLISH USING FORM TERMS. FOR REPORT RELAY, use ":" (colon) as separator between rept sections. E.G., "Smoke Rept /A k6pds : /B Village Div 3 N QTH B : /N : /O/NP : /W E /AZ 080 T /MPH 5 : /V /NP . OVER"		Dirction /AZIMUTH /BEARING FROM YOUR QTH [use 3 digits] 		Enter Direction 			
ENTER LEVELS & DIRECTION [/AZ ____] FROM YOUR QTH		Enter LEVELS & DIRECTION [/AZ ____] FROM YOUR QTH					
<input type="radio"/> NP = NONE PRESENT <input type="radio"/> LT = LIGHT <input type="radio"/> MOD = MODERATE <input type="radio"/> HVY = HEAVY-STRONG		<input type="radio"/> NP = NONE PRESENT <input type="radio"/> LT = LIGHT <input type="radio"/> MOD = MODERATE <input type="radio"/> HVY = HEAVY-STRONG					
QXi S /A: (circle / check/ write in) / B		<input type="radio"/> N / <input type="radio"/> F / <input type="radio"/> C / <input type="radio"/> E		<input type="radio"/> O			
<input type="radio"/> /RPT[#] <input type="radio"/> NCS ASSIGNS # <input type="radio"/> Call sign Prefix <input type="radio"/> Suffix <input type="radio"/> Via Relay thru <input type="radio"/> Reptg as: <input type="radio"/> -Individ <input type="radio"/> -Area Lead <input type="radio"/> -Area Coord		<input type="radio"/> AREA: _____ [AREA TACTICAL _____] <input type="radio"/> DIV: 1 2 3 4 5 N or S <input type="radio"/> SATELITE _____ SECTION ____[#] <input type="radio"/> # STNS REPORTING _____ <input type="radio"/> [options] [be specific as to where RPT FROM] <input type="radio"/> QTH B (=home). <input type="radio"/> QTH N (=AREA SUM. RPT From Neighborhood Area Lead) <input type="radio"/> QTH Address: _____ X street: _____ <input type="radio"/> QTH Hwy/Rd/ _____ QTH Mi Mkr _____ <input type="radio"/> QTH Lat/long: _____ <input type="radio"/> QTH Section: _____ Township _____ Range _____		<input type="radio"/> /N NO SMOKE / FIRE OR EMBERS VISBLE <input type="radio"/> /TLV [TERRAIN LIMITING VIEW] OR <input type="radio"/> /F FIRE VISIBLE <input type="radio"/> /C COLUMN OF SMOKE VISIBLE <input type="radio"/> /E EMBERS VISIBLE IN AIR <input type="radio"/> /AZ _____ DIRECTION <input type="radio"/> M _____ T _____ AZIMUTH/BEARING from my QTH. <input type="radio"/> /ML _____ EST. MILES		<input type="radio"/> /O SMOKE ODOR <input type="radio"/> /NP = NONE PRESENT <input type="radio"/> /LT = LIGHT <input type="radio"/> /MOD = Modrate <input type="radio"/> /HVY = HEAVY - STRONG	
<input type="radio"/> /W Wind OUT OF: [CIRCLE] "NORTH" "EAST" "SOUTH" "WEST" <input type="radio"/> /AZ _____ Direct [AV. DEGREES] <input type="radio"/> M _____ T _____ <input type="radio"/> /VAR _____ <input type="radio"/> M _____ T _____ WIND SPEED [INSERT MPH] <input type="radio"/> /MPH _____		<input type="radio"/> /V GENERAL ATMOSPHERIC SMOKE HAZE CONDITIONS: <input type="radio"/> /NP = NONE PRESENT <input type="radio"/> /ADS All Direc.Same <input type="radio"/> /LT /MOD /HVY_ <input type="radio"/> /SPT = SPOT @ <input type="radio"/> /AZ _____ T _____ M _____ <input type="radio"/> /ML _____ EST miles <input type="radio"/> /LT /MOD /HVY_ <input type="radio"/> /GA (GEN AREA) <input type="radio"/> /AZ _____ T _____ M _____ OR "N" "E" "S" "W" <input type="radio"/> /NP /LT /MOD /HVY_ <input type="radio"/> /AZ _____ T _____ M _____ OR "N" "E" "S" "W" <input type="radio"/> /NP /LT /MOD /HVY_ <input type="radio"/> /AZ _____ T _____ M _____ OR "N" "E" "S" "W" <input type="radio"/> /NP /LT /MOD /HVY_ <input type="radio"/> /AZ _____ T _____ M _____ OR "N" "E" "S" "W" <input type="radio"/> /NP /LT /MOD /HVY_ <input type="radio"/> /AZ _____ T _____ M _____ OR "N" "E" "S" "W" <input type="radio"/> /NP /LT /MOD /HVY_					

AVERAGING WIND DIRECTION

(THIS IS THE DIRECTION FROM WHICH THE WIND IS BLOWING. AND - AVERAGING WIND SPEED)

IF YOU ARE STATIONARY:

1. CONDUCT A **2 MINUTE** OBSERVATION INTERVAL.
2. REPORT **AVERAGE DIRECTION** OF THE WIND DURING OBSERVATION INTERVAL.
3. REPORT YOUR OBSERVATION AS TRUE NORTH OR MAGNETIC.
4. IF THE WIND FLUCTUATES **60 DEGREES OR MORE** DURING THAT 2 MINUTE OBSERVATION INTERVAL, REPORT AS **"VARIABLE WIND"** giving the directions and average – See Examples below.
5. WIND **SPEED** – REPORT **AVERAGE** WIND SPEED DURING OBSERVATION INTERVAL.

EXAMPLES: (See*)**

Variable wind from 180E to 240E True North at 10 MPH recorded as:

- Wind is **OUT OF:**
 - /AZ 210 [OR /AZ SSW]
 - (AVERAGE Degrees: 210)
 - Magn ___ T_x_
 - /VAR _180 240_

The MPH would be recorded AFTER "/MPH".

Wind is consistent from 180 degrees True North at 10 MPH, recorded as

- Wind is **OUT OF:**
 - /AZ 180 [OR /AZ S]
 - (AVERAGE Degrees: 180)
 - Magn ___ T_x_
 - /VAR _____

The MPH would be recorded AFTER "/MPH".

IF YOU ARE MOBILE (DRIVING) - provide:

1. State "QWT" & Your QTH (Road you'r driving on) & Rd Marker or Cross Street.
2. Your /ODT (DIRECTION OF TRAVEL).
3. YOUR OBSERVATIONS (E.G., SMOKE, FIRE, ETC...).

Example: "K6___ QWT, East Bound Highway 44, marker 10.77
 "smoke column, ENE approx 5 miles, end report, OUT"
 or NOTHING OBSERVED, ETC...).

Note: your observations will necessarily be more limited .

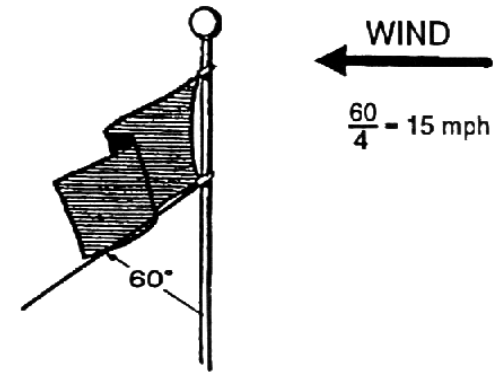
Drive safely, obey traffic laws. Stop in safe location to provide report of what you observed from the prior location at which you made the observations

IF YOU KNOW OF A FIRE OR SMOKE - CALL 911

NOTE: FORMAT TANGO 4 IS A FORMAL SMOKE CHECK.

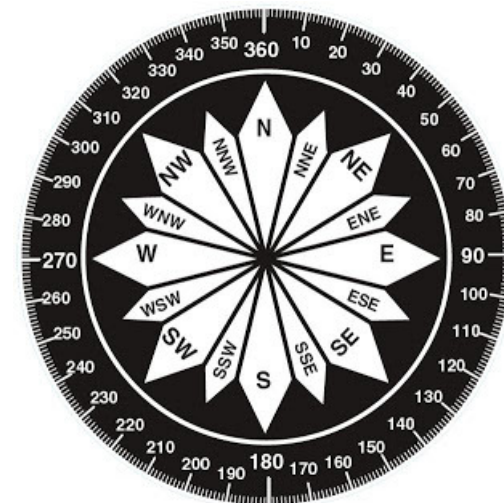
THIS IS NOT THE QWA ABBREVIATED PROCEDURE !

Estimating Wind Speed – Also see Beaufort Wind Chart, next page



*** Examples based upon - NATIONAL WEATHER SERVICE OBSERVING HANDBOOK NO. 8 AVIATION WEATHER OBSERVATIONS for Supplementary Aviation Weather Reporting Stations (SAWRS) MANUAL OBSERVATIONS OCTOBER 1996 (w/ MODIFICATIONS FOR SER REPTING PURPOSES).

16 Point Compass



[USE MPH WHEN REPORTING]		
Estimating Winds Speeds – Beaufort Wind Chart (Partial)		
mph	Terminology	Description
<1	Calm	Still, calm air, smoke will rise vertically. Water is mirror-like.
1-3 mph	Light Air	Rising smoke drifts, wind vane is inactive. Small ripples appear on water surface.
4-7 mph	Light Breeze	Leaves rustle, can feel wind on your face, wind vanes begin to move. Small wavelets develop, crests are glassy.
8-12 mph	Gentle Breeze	Leaves and small twigs move, light weight flags extend. Large wavelets, crests start to break, some whitecaps.
13-18 mph	Moderate Breeze	Small branches move, raises dust, leaves and paper. Small waves develop, becoming longer, whitecaps.
19-24 mph	Fresh Breeze	Small trees sway. White crested wavelets (whitecaps) form, some spray.
25-31 mph	Strong Breeze	Large tree branches move, telephone wires begin to "whistle", umbrellas are difficult to keep under control. Larger waves form, whitecaps prevalent, spray.
32-38 mph	Moderate or Near Gale	Large trees sway, becoming difficult to walk. Larger waves develop, white foam from breaking waves begins to be blown.
39-46 mph	Gale or Fresh Gale	Twigs and small branches are broken from trees, walking is difficult. Moderately large waves with blown foam.
47-54 mph	Strong Gale	Slight damage occurs to buildings, shingles are blown off of roofs. ...
55-63 mph	Whole Gale or Storm	Trees are broken or uprooted, building damage is considerable. ...
64-72 mph	Violent Storm	Extensive widespread damage....
73+ mph	Hurricane	Extreme destruction, devastation. ...

CONVERTING MAGNETIC NORTH TO / FROM TRUE NORTH		
DECLINATION - SHINGLETOWN AREA		
[See Format Romeo 7 For Lat/Long Conversions]		
MAGNETIC FIELD BEARING	ADD 14 DEG	= TRUE MAP NORTH BEARING
TRUE MAP NORTH BEARING	SUBTRACT 14 DEG	= MAGNETIC FIELD BEARING

INSTRUCTIONS [CAUTION THIS IS NOT A SUBSTITUTE FOR 911]. GOAL: ASSIST IN LOCATING FIRE AT UNKNOWN LOCATION.

• **TO MAKE OBSERVATIONS FROM YOUR QTH, DO A 360 DEGREE SCAN VIEWING GROUND TO SKY – REPORT ALL COLUMN CATEGORIES.**
[Night: shine bright light into trees to estimate the General Smoke/Haze Conditions (i.e., gen. smoke in the atmosphere)(100 to 200 yrds distant)
THIS REQUIRES HAM RADIO OPERATORS TO MONITOR THE RELEVANT PLAN FREQUENCIES. USE - FORMAT NOVEMBER, BLOCK 1 and **SCAN THE PLAN.** Base stations should have sufficient equipment to perform Nets using Repeaters AND SIMPLEX operations (e.g., 50 watt or more) in event of repeater failure (and power backup for power outages). The need for Area Relays should be expected and practiced. USE FORMAT TANGO 4A FOR MOBILE FIELD SMOKE SEARCHES.

- **ALWAYS CALL 911 FIRST! (NOTE: IF THIS IS AN EMERGENCY, YOU SMELL SMOKE, SEE FIRE, ETC CALL 911 FIRST).**
- EXAMPLE FOR USE OF THIS FORMAT: YOU SMELL SMOKE, BUT DON'T KNOW WHERE THE POTENTIAL FOREST FIRE IS – BUT YOU HAVE ALREADY CALLED 911.
- If you are the 1ST PERSON REPORTING ON FREQUENCY, THEN SET UP DIRECTED NET (USE **FORMAT K1**).
- PURPOSE – GATHER SMOKE CHECK REPORT INFORMATION TO ASSIST FIRE DEPARTMENT IN LOCATING FIRE (ESPECIALLY AT NIGHT). YOU WANT OBSERVATIONS FROM ANY STATION'S CURRENT LOCATION – DO NOT GO OUT LOOKING FOR PROBLEMS.
- REQUEST REPORTS FROM STATIONS ON FREQUENCY (THAT INCLUDES STATIONS WHICH DON'T SMELL SMOKE AS THAT INFORMATION MAY BE VERY IMPORTANT). MAKE SUPPLEMENTAL CALL TO 911 WITH RELEVANT RESULTS OF THIS PROCEDURE.

••• **REPORT EXAMPLE ON VOICE** **INITIAL REPORTS ARE IN PLAIN ENGLISH FOR EACH COLUMN !!**

“SMOKE REPORT K6ABC QTH Hwy 44 MI MARKER xx”, “SMOKE CLOUD VISIBLE, NORTH OF MY LOCATION approx 2 MILES”
“SMOKE ODOR STRONG” “WIND IS OUT OF NORTH” “WIND SPEED figures 10 MPH” “General Atmospheric Smoke/Haze Conditions, North, Heavy” “OUT” . Net control responds “ROGER”.

•• NOTE: PLEASE GO SLOWLY AS NET CONTROL MUST RECORD YOUR INFORMATION ACCURATELY SO THAT IT MAY BE PROPERLY POSTED TO MAPS FOR ANALYSIS AND REPORTING. NCS WILL ASK FOR “SMOKE REPORTS”.

••• **RELAY EXAMPLE**: SUB SUB CODES (/A, /B , etc...) used for relay between **AREA NET CONTROLS / RELAY STNS**).
THUS: “I have relay of smoke check report –

QRV?” Other station “QRV” – [NOTE: Instead of “QRV?” “QRV” , you can say “are you ready?” response “I am ready”].

THEN START RELAY - - “FORMAT TANGO 4 REPORT NUMBER ___ [or, say “I have [x] reports to relay”] [continue]

EXAMPLE: **“ QXi S ” OR “SMOKE REPORT RELAY”**

“ /A /RPT 1 K6PDS : /B QTH HWY 44 /MK 3300 : /C /AZ N /ML 2 : /O /HVY : /W /AZ N 310 T /MPH10 : /V /GA /AZ N /HVY . ”

[PAUSE for fill request BEFORE NEXT REPORT]

“ /A /RPT 2 W6XYZ : /B VILLAGE DIV 3 N QTH B : /N : /O /NP : /W /AZ 355 T /MPH 7 : /V /NP . ”

End, no more. [your call sign] ” Note: “ : ” is said as “colon” ; “ . ” Is said as “period”


OTHER STATION replies - “SMOKE CHECK RELAY ACKNOWLEDGED” or “ROGER”

• ABOVE INFORMATION IS NEXT REVIEWED BY NET CONTROL AND POSTED TO AN AREA MAP (E.G., GOOGLE EARTH – COMPUTER AND/OR USGS 7.5 MINUTE TOPO - PAPER). LEARN BOTH IN EVENT COMPUTER OPERATIONS NOT POSSIBLE.

• **NET CONTROL THEN calls 911 and advises operator that you are a HAM OPERATOR with this SUPPLEMENTAL SMOKE REPORT NET INFORMATION AND ADVISE THEM OF THE CONCLUSION AS TO THE POTENTIAL SOURCE LOCATION FOR THE SMOKE/FIRE.** GIVE THE CAL FIRE OPERATOR YOUR TELEPHONE NUMBER, NAME AND CALL SIGN SO THEY CAN CONTACT YOU IF NEEDED. CONSIDER DRIVING (OBEYING ALL TRAFFIC LAWS) TO LOCAL CAL FIRE DEPARTMENT TO HAND DELIVER THE MAPPED INFORMATION. You may need to have another station operator perform such task based on situation. CAL FIRE DOES NOT WANT A GROUP OF HAMS CALLING. THERE IS TO BE ONE PERSON CALLING (MOST PROBABLY THAT WHOULD BE NET CONTROL). [REPORTING CRITERIA Based upon TCW Cal. Fire Battalion Chief]. ANALYSIS WILL NEED TO BE DONE TO DETERMINE IF SMOKE / FIRE ATTRIBUTABLE TO EXISTING REPORTED FIRE, OR A NEW INCIDENT. COMPASS USE IS GREATLY ENCOURAGED. “AREA TACTIAL” IS FOR NEIGHBORHOOD / AREA REPORTING EG.. “T1”

Version: 20170506 UPDATE 20190810 SER NETS

SYMBOLS FOR MAPPING

+	FOR AREA WHERE WINDS ARE VARIABLE.								
O	FOR AREA WHERE NO WIND (AND PUT SMOKE ODOR IN CENTER OF SYMBOL).								
	<table border="1"> <tr> <th colspan="4">SMOKE ODOR CODES:</th> </tr> <tr> <td>"/NP" = NONE PRESENT</td> <td>"/LT" = LIGHT</td> <td>"/MOD" = MODERATE</td> <td>"/HVY" = HEAVY - STRONG</td> </tr> </table>	SMOKE ODOR CODES:				"/NP" = NONE PRESENT	"/LT" = LIGHT	"/MOD" = MODERATE	"/HVY" = HEAVY - STRONG
SMOKE ODOR CODES:									
"/NP" = NONE PRESENT	"/LT" = LIGHT	"/MOD" = MODERATE	"/HVY" = HEAVY - STRONG						
V	Open END toward source of WIND . Then connect via line to the reporting station. Insert in the open "V" end the smoke odor and wind mph e.g., "/MOD 5" = "smoke odor MODERATE, wind speed 5 mph". SEE EXAMPLE ON RIGHT SIDE.								
—	Solid line between wind source, smoke source, flame source and reporting station.								
•	"SPOT"= light or dark area in the general smoke/ haze which may indicate a fire source.								
	Point of closed triangle POINTED TOWARD VISUAL sighting of SMOKE / FIRE with estimated miles in center of triangle. PUT "S" IN CENTER FOR SMOKE PUT "F" IN CENTER FOR FIRE. Put estimated miles in center-e.g., "3" for miles Thus, as in example on right side, in center, of triangle: "F 3" = fire 3 miles								

SMOKE / FIRE REPORTING NET

[STN REPORTS NEED TO BE SPECIFIC AND AND AS EXACT AS POSSIBLE]
 See www.ShastDefense.com under Shasta Emergency Radio for updates

EXAMPLES:



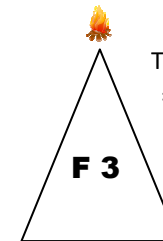
This End Facing Into Wind.

Write in this area of the "V" the Wind Speed and smoke odor level e.g., **" /MOD 5 "** = **"smoke odor Moderate" and Wind Speed "5mph"**



This end on Reporting Location (i.e., **YOUR EXACT LOCATION**)

• Spot (may indicate fire source)



This end toward **fire or smoke** = Fire 3 miles



General Smoke / Haze Conditions

Swirl line Where VISUAL General SMOKE / HAZE CONDITIONS EXIST.
 LEVELS:
 Non Present (/NP)
 Light (/LT)
 Moderate (/MOD)
 Heavy - Strong (/HVY)